LEFT EXTENSION QUAN	NTITIE	S
CLASS A CONCRETE		
BARREL @1.92CY/FT	9.1	C.Y.
WINGS, ETC.	17.3	C.Y.
BOTTOM SLAB STEP	2.0	C.Y.
TOTAL	28.4	_ C.Y.
REINFORCING STEEL		
BARREL	1,797	_LBS.
WINGS, ETC.	1,218	LBS.
TOTAL	3,015	LBS.
CULVERT EXCAVATION	LUM	⊃ SUM
FOUNDATION COND. MAT'L.	7	TONS

RIGHT EXTENSION	QUANTITIES	
CLASS A CONCRETE		
BARREL @1.92CY/FT_	14.4 C.Y.	
WINGS, ETC.	26.5 C.Y.	
BOTTOM SLAB STEP	2.0 C.Y.	
SILLS	0.6 C.Y.	
TOTAL	43.5 C.Y.	
REINFORCING STEEL		
BARREL	2,586 LBS.	
WINGS, ETC.	1,879 LBS.	
TOTAL	4,465 LBS.	
CULVERT EXCAVATION LUMP SUM		
FOUNDATION COND. MAT'L. 12 TON		

LEFT EXTENSION BAR SCHEDULE					BAR TYPE		
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	A1	С <
Α1	16	#4	1	5′-8″	61	VERTICAL LEG —	_
A2	26	#4	1	4'-8"	81	VERTIONE LEG	
A100	8	#5	STR	17′-8″	147		>
A100	0	" " "	311	11 -0	141		1/-0*
A200	8	#5	STR	12'-6"	104	6″R.¬	_
A250	8	#5	STR	7′-6″	63	0 1/2	
4700	0	44.4	CTD	47/ 0//	0.4		
A300	8	#4	STR	17′-8″	94		
A400	8	#5	STR	12'-6"	104	3/2/	
A450	8	#5	STR	7'-6"	63	2'-11/2"	
B1	16	#4	STR	11'-4"	121		
B2	16	#4	STR	9'-4"	100	1'-9" L1	
В3	10	#4	STR	11'-4"	76	1'-3" L2	
C1	78	#4	STR	4'-4"	226		
	10	'	3111	1 1	220		
D1	24	#6	STR	2'-6"	90	N N N VERTICAL LEG	
						VERTICAL LEG	
G1	4	#5	STR	17′-8″	74		
H1	8	#4	STR	12′-6″	67	<del></del> -	_
H2	8	#4	STR	7'-6"	40	(3)	>
112		'	0111	1 0		VERTICAL LEG NO	$^{\prime\prime}$
L1	12	#6	2	4'-0"	72	VERTICAL LEG	Ý
L2	10	#6	2	3′-3″	49	<u> </u>	_
L3	12	#6	3	4'-9"	86	L3   1'-9"   \( \sigma \)	7
<u>L4</u>	10	#6	3	5′-3″	79		
REINFORCING STEEL 1,797 LBS					<u>L4</u> <u>2'-3"</u>		

BAR SCHEDULE BAR NO. SIZE TYPE LENGTH WEIGH A1 | 26 | #4 | 1 | 5'-8" A2 | 42 | #4 | 1 | 4'-8" | A100 13 #5 STR 17'-8" 240 A200 | 13 | #5 | STR | 12'-6" | A250 13 #5 STR 7'-6" A300 13 #4 STR 17'-8" 153 A400 | 13 | #5 | STR | 12'-6" A450 | 13 | #5 | STR | 7'-6" B1 | 26 | #4 | STR | 11'-4" B2 | 26 | #4 | STR | 9'-4" B3 | 16 | #4 | STR | 11'-4" | C2 78 #4 STR 7'-1" 369 D1 | 24 | #6 | STR | 2'-6" D2 | 8 | #6 | STR | 1'-4" G1 | 4 | #5 | STR | 17'-8" H1 | 8 | #4 | STR | 12'-6" H2 | 8 | #4 | STR | 7'-6" L1 | 12 | #6 | 2 | 4'-0" L3 | 12 | #6 | 3 | 4'-9" L4 | 10 | #6 | 3 | 5'-3" | REINFORCING STEEL 2,586 LBS

RIGHT EXTENSION

DIMENSIONS ARE OUT TO OUT

SPLICE LENGTHS CHART					
BAR	SIZE	SPLICE LENGTH			
B1	#4	1'-10"			
A200	#5	2'-4"			

SUPPLEMENTAL MATERIAL AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE BID FOR CULVERT EXCAVATION. THE ENTIRE COST OF WORK REQUIRED TO CONSTRUCT THE SILLS SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS.

SILL (TYP.)

THE ENTIRE COST OF WORK REQUIRED TO PLACE EXCAVATED MATERIAL OR

PERMIT CONDITIONS.

2 LAYERS OF 30 LB.

STM

MGC

STM

DATE: 01/23

DRAWN BY :

DESIGN ENGINEER OF RECORD: \_

ROOFING FELT TO -PREVENT BOND (TYP.)

NOTES

MATERIAL EXCAVATED FROM THE EXISTING BED SHALL BE STOCKPILED FOR USE IN THE

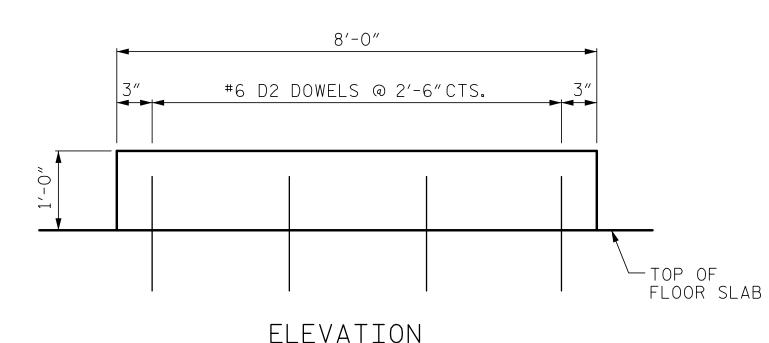
NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO

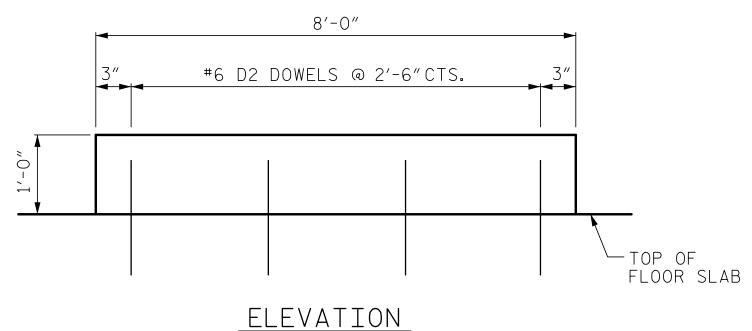
OUTLET ELEVATION

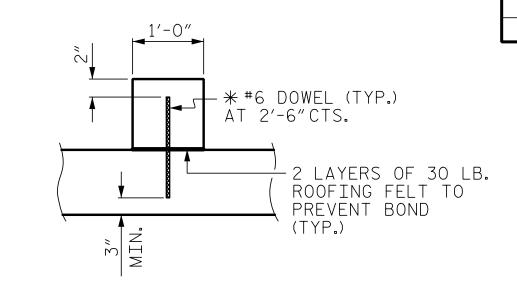
PROVIDE A CONTINUOUS LOW FLOW CHANNEL, NATIVE MATERIAL CONSISTS OF MATERIAL THAT

IS EXCAVATED FROM THE STREAM OR FLOODPLAIN AT THE PROJECT SITE DURING CONSTRUCTION.

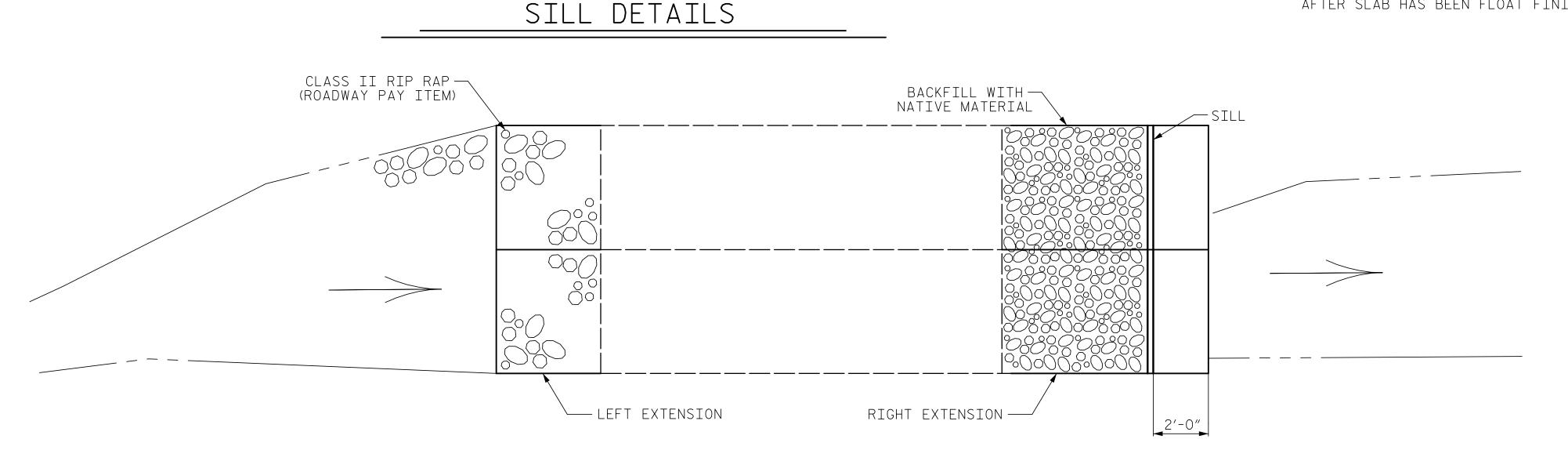
PROPOSED CULVERT EXTENSIONS. BED MATERIAL MAY BE SUPPLEMENTED WITH CLASS B RIP RAP AS NECESSARY. NATIVE MATERIAL BETWEEN SILLS IN THE CULVERT SHALL







SECTION THROUGH SILL \* DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN FLOAT FINISHED.



PLAN OF FLOOR SILL LAYOUT

PROJECT NO. R-5739 NORTHAMPTON COUNTY STATION: 499+65.60 -L-

7/23/2025

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

& RT EXTENSION 90° SKEW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS

706 HILLSBOROUGH STREET SUITE 200
RALEIGH, NC 27603
PH (919) 773–8887
CORP. LICENSE NO.: C-0275

SHEET NO REVISIONS C5-7 DATE: DATE: TOTAL SHEETS

DATE: <u>08/22</u> 11/29/2023 X:\NCDOT\R-5739\Structures\Str.#5 (499 + 65.60 -L-)\FinalPlans\DGNs\R-5739\_SMU\_CU\_STR 5\_7.dgn

SHEET 7 OF 9